

PATENT ABSTRACTS OF JAPAN

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(54) LAMP REFLECTOR FOR BACK LIGHT OF LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent color changes or deterioration of a white reflection film as the raw material for a lamp reflector caused by heat or UV rays generated from a lamp, and to provide a lamp reflector at a low cost for the back light of a liquid crystal display device so as to prevent decrease in the luminance of the liquid crystal display with time.

SOLUTION: A transparent resin layer containing a UV absorbent is formed on the reflection face side of a white reflection film. It is preferable to use a resin material containing a UV absorbent as chemically reacted with the resin as the transparent resin containing a UV absorbent from the viewpoint of solubility and absorptivity of UV rays. The resin material is, for example, an acrylic copolymer of acrylate monomers having a UV absorbing structure such as 2-hydroxybenzophenone and 2-hydroxyphenylbenzotriazole structure with other acrylic monomers. The obtained lamp reflector is assembled in a liquid crystal display device with the transparent resin layer containing the UV absorbent facing the lamp.

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